Notice of Allowability	Application No.	Applicant(s)
	10/035,137	KURIHARA ET AL.
	Examiner	Art Unit
	John S. Chu	1752
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS Is herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.33	S (OR REMAINS) CLOSED i	n this application. If not included
1. \boxtimes This communication is responsive to <u>4/12/04</u> .		
2. The allowed claim(s) is/are <u>1 and 3-5</u> .		
3. The drawings filed on are accepted by the Examin	er.	
 4. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	ve been received. ve been received in Application ocuments have been receive " of this communication to file	on No ed in this national stage application from the
5. A SUBSTITUTE OATH OR DECLARATION must be subi	mitted. Note the attached EX. ves reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF r declaration is deficient.
 CORRECTED DRAWINGS (as "replacement sheets") mutering (a) including changes required by the Notice of Draftspering (b) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examined Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 	rson's Patent Drawing Review - 's Amendment / Comment or 1.84(c)) should be written on the	r in the Office action of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 	osit of BIOLOGICAL MAT	ERIAL must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No./ 08), 7. ☐ Examiner's	formal Patent Application (PTO-152) ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allowance
		John S. Chu Primary Examiner Art Unit: 1752

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The claimed invention is drawn to the following:

Claim 1 (currently amended): A positive photoresist composition comprising:

- (A) an alkali-soluble resin;
- (B) a photosensitizer comprising a quinonediazide ester between a naphthoquinonediazidosulfonic acid compound and a compound represented by following Formula (II):

(II)

wherein R⁹, R¹⁰, R¹¹, R¹², R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷ and R¹⁸ are each independently a hydrogen katom, an alkyl group having from I to 3 carbon atoms or a cyclohexyl group; and

(C) a sensitizer comprising at least one of compounds represented by following Formula (III):

(III)

wherein x is 0 or 1.

Applicants have submitted a declaration under 37 C.F.R. 1.132. The declaration compares a composition even closer than the closest prior art reference to UETANI et al '779 used in the rejection. The comparative examples 1-3 of the declaration use the photosensitizer in

the claimed application with the additive disclosed in UETANI et al '799 (). The declaration demonstrated "excellent" shrinkage (lengths of the resulting traces were equal to or more than 0.9 um and less than or equal to 1.0 um, indicating no shrinkage) of the patterned image comprising the claimed ingredients, while the prior art compositions to comparative examples 1-3 demonstrated an evaluation of "fair" defined on page 6 of the declaration (lengths of traces were equal to or more than 0.7 um and less than 0.8 um). The evidence indicates that the claimed composition gives improved shrinkage as stated by applicant in the Remarksk, page 4.

Based on the claimed invention demonstrating unexpected results over the prior art compositions, claims 1, and 3-5 are seen as allowable and passed to issue.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Chu whose telephone number is (571) 272-1329. The examiner can normally be reached on Monday - Friday from 9:30 am to 6:00 pm.

The fax phone number for the USPTO is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1700.

ohn S. Chu

Primary Examiner, Group 1700

J.Chu May 12, 2004